

INFORMATION DISCLOSURE CITATION

Sheet 1 of 1

Applicant: Kenneth H. Falchuk

Filing Date: November 13, 2001

Group: 1646/651

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
SMF	AA 5,635,533	06/03/97	Samid	514	538	06/06/95
SMF	AB 5,849,777	12/15/98	Scallen et al.	514	400	06/01/95
SMF	AC 6,066,618	05/23/00	Holick	514	12	11/13/98
SMF	AD 6,174,905	01/16/01	Suzuki et al.	514	346	09/26/97
SMF	AE 6,242,471	06/05/01	Yasuma et al.	514	375	04/28/00
	AF					
	AG					
	AH					
	AI					
	AJ					

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation	
							YES	NO
	AK							
	AL							
	AM							
	AN							
	AO							
	AP							

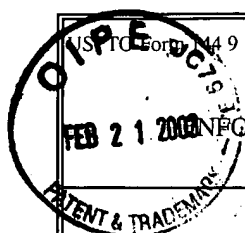
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

	AQ	
	AR	
	AS	
	AT	

EXAMINER

DATE CONSIDERED 12/2/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. **Copies of references not provided at the time of this submission.



USPTO Form 1449	U.S. Department of Commerce Patent and Trademark Office	Attorney Docket No. 10498-00028	Serial No. 10/008,356
INFORMATION DISCLOSURE CITATION Sheet 1 of 10		Applicant: Kenneth H. Falchuk	
		Filing Date: November 13, 2001	Group: 1646-1651

U.S. PATENT DOCUMENTS

Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	AA	5,229,500	07/20/93	Barde et al.	520 514	399 12	08/20/90
	AB						
	AC						
	AD						
	AE						
	AF						

RECEIVED
FEB 28 2003
TECH CENTER 1800/2900

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation	
							YES	NO
SMA	AG	WO 93/09229	05/13/93	PCT ✓				
SMA	AH	WO 95/18856	07/13/95	PCT ✓				
SMA	AI	WO 96/17924	06/13/96	PCT ✓				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

SMA	AJ	Anderson et al., "The structural basis of lipid interactions in lipovitellin, a soluble lipoprotein," <i>Structure</i> , 6(7):895-909, 1998						✓
SMA	AK	Bjeldanes et al., "Aromatic hydrocarbon responsiveness-receptor agonists generated from indole-3-carbinol <i>in vitro</i> and <i>in vivo</i> : comparisons with 2,3,7,8-tetrachlorodibenzo-p-dioxin," <i>Proc. Nat'l. Acad. Sci., USA</i> , 88:9543-9547, 1991						✓
SMA	AL	Blauer and Wagniere, "Conformation of Bilirubin and Biliverdin in Their Complexes with Serum Albumin," <i>Am. Chem. Soc.</i> , 97(7):1949-1954, 1975						✓
SMA	AM	Bligh and Dyer, "A Rapid Method of Total Lipid Extraction and Purification," <i>Canadian J. of Biochem. and Phys.</i> , 37:911-917, 1959						✓
SMA	AN	Brand-Saberi et al., "The ventralizing effect of the notochord on somite differentiation in chick embryos," <i>Anat. Embryol.</i> , 188:239-245, 1993						✓
SMA	AO	Byrne, "The Evolution of Egg Yolk Proteins," <i>Prog. Biophys. Mol. Biol.</i> , 53:33-69, 1989						✓
SMA	AP	Carr et al., "The Variable Transformation in Metastases from Testicular Germ Cell Tumors: The Need for Selective Biopsy," <i>J. Urol.</i> , 126:52 - 54, 1981						✓

EXAMINER <i>A. Hanley</i>	DATE CONSIDERED <i>12/2/03</i>
---------------------------	--------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. **Copies of references not provided at the time of this submission.

FEB 26 2003

TECH CENTER 1800/2900

USPTO Form 1449

FEB 21 2003

U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No. 10498-00028

Serial No. 10/008,356

INFORMATIONAL CLOSURE CITATION

Sheet 2 of 10

Applicant: Kenneth H. Falchuk

Filing Date: November 13, 2001

Group: 1646/651

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	BA					

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation	
						YES	NO
	BB						

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

SMH	BC	Chen et al., "Human Breast Cancer Cells and Normal Mammary Epithelial Cells:..." <i>Cancer Res.</i> , 57:4642-4651, 1997	✓
SMH	BD	Collins et al., "Terminal Differentiation of Human Promyelocytic Leukemia Cells Induced by Dimethyl Sulfoxide and other Polar Compounds," <i>Proc. Natl. Acad. Sci. USA</i> , 75: 2458 - 2462, 1978.	✓
SMH	BE	Danilchik and Gerhart, "Differentiation of the Animal-Vegetal Axis in <i>Xenopus laevis</i> Oocytes...", <i>Dev. Biol.</i> , 122:101-112, 1987	✓
SMH	BF	Davidson, "How embryos work: a comparative view of diverse modes of cell fate specification," <i>Development</i> , 108:365-389, 1990	✓
SMH	BG	Dexter DL, "NN-Dimethylformamide-induced Morphological Differentiation and Reduction of Tumorigenicity in Cultured Mouse Rhabdomyosarcoma Cells," <i>Cancer Res.</i> 37:3136-3140 (1977)	✓
SMH	BH	Dolphin et al., "Studies on the Induction and Biosynthesis of Vitellogenin, an Oestrogen-Induced Glycolipophosphoprotein, <i>Biochem. J.</i> , 124:751-758, 1971	✓
SMH	BI	Donehower et al., "Nedd Deficient for p53 Are Developmentally Normal but Susceptible to Spontaneous Tumors," <i>Nature</i> 356: 215-221, 1992	✓
SMH	BJ	Donehower, "The p53-deficient Mouse: A model for basic and applied cancer studies," <i>Cancer Biol.</i> 7:269-278, 1996	✓
SMH	BK	Dumont, "Oogenesis in <i>Xenopus laevis</i> . . .," <i>J. Morphol.</i> , 136:153-179, 1972	✓
SMH	BL	Ezquieta and Vallejo, "Lipovitellin Inhibition of <i>Artemia</i> Trypsin-Like Proteinase: . . .," <i>Arch. Biochem. Biophys.</i> , 250(2):410-417, 1986	✓
SMH	BM	Fagotto and Gumbiner, "β-catenin localization during <i>Xenopus</i> embryogenesis: . . .," <i>Development</i> , 120:3667-3679, 1994	✓
SMH	BN	Fainsod, Steinbeisser and Robertis, "On the function of <i>BMP-4</i> in patterning the marginal zone of the <i>Xenopus</i> embryo, <i>EMBO J.</i> , 13(21)5015-5025, 1994	✓

EXAMINER

DATE CONSIDERED

12/2/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.**Copies of references not provided at the time of this submission.

FEB 26 2003

USPTO Form 1449

U.S. Department of Commerce
Patent and Trademark Office

Attorney Docket No. 10498-00028

Serial No. 10/008,356

INFORMATION DISCLOSURE CITATION

Sheet 3 of 10

Applicant: Kenneth H. Falchuk

Filing Date: November 13, 2001

Group: 1646/1651

U.S. PATENT DOCUMENTS

Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	CA						

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation	
							YES	NO
	CB							

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

SMH	CC	Falchuk et al., "Zinc Uptake and Distribution in <i>Xenopus laevis</i> Oocytes and Embryos," <i>Biochemistry</i> 34:16524-16531, 1995	✓
SMH	CD	Fearon et al., "Differentiation of Leukemia Cells to Polymorphonuclear Leukocytes in Patients with Acute Nonlymphocytic Leukemia," <i>N. Eng. J. Med.</i> 315:15-24, 1986	✓
SMH	CE	Fibach et al., "Effect of Hexamethylene bis acetarnide on the Commitment to Differentiation of Murine Erythro Cells," <i>Cancer Res.</i> , 37:440-444, 1977	✓
SMH	CF	Freed et al., "Neocartilage formation <i>in vitro</i> and <i>in vivo</i> using cells cultured on synthetic biodegradable polymers," <i>J. Biomed. Mater. Res.</i> 27:11-23 (1993)	✓
SMH	CG	Friend et al., "Hemoglobin Synthesis in Murine Virus Induced Leukemia Cells <i>In Vitro</i> : Stimulation of Erythroid Differentiation by Dimethyl Sulfoxide," <i>Proc. Natl. Acad. Sci. USA</i> , 69:378-382, 1971	✓
SMH	CH	Gamet et al., "Effects of Short-Chain Fatty Acids on Growth and Differentiation of the Human Colon-Cancer Cell Line HT29," <i>Int. J. Cancer</i> , 52:286-289, 1992	✓
SMH	CI	Gasiewicz and Rucci, "α-Naphthoflavone Acts as an Antagonist of 2,3,7,8-Tetrachlorodibenzo-p-Dioxin by Forming an Inactive Complex with the Ah Receptor," <i>Mol. Pharmacol.</i> , 40:607-612, 1991	✓
SMH	CJ	Grande et al., "The Repair of Experimentally Produced Defects in Rabbit Articular Cartilage by Autologous Chondrocyte Transplantation," <i>J. Orthop. Res.</i> , 7:208-218 (1989)	✓
	CK	Grubbs et al., "Inhibition of Mammary Cancer by Retinyl Methyl Ether," <i>Cancer Res.</i> 37:599-602, 1977	
SMH	CL	Gum et al., "Effect of Sodium Butyrate on Human Colonic Adenocarcinoma Cells: Induction of Placental-like Alkaline Phosphatase," <i>J. Biol. Chem.</i> , 262:1092-1097, 1987	✓
SMH	CM	Gurdon, "The Generation of Diversity and Pattern in Animal Development," <i>Cell</i> , 68:185-199, 1992	✓
SMH	CN	Hausen and Riebesell, <i>The Early Development of Xenopus laevis</i> . Springer-Verlag, Berlin Heidelberg New York. Plates 7-10, 1991	✓
	CO		

EXAMINER

DATE CONSIDERED 12/3/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.**Copies of references not provided at the time of this submission.

INFORMATION DISCLOSURE CITATION

Page 4 of 10

Applicant: **Kenneth H. Falchuk**Filing Date: **November 13, 2001**Group: **1646/657**

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	DA					

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation	
						YES	NO
	DB						

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

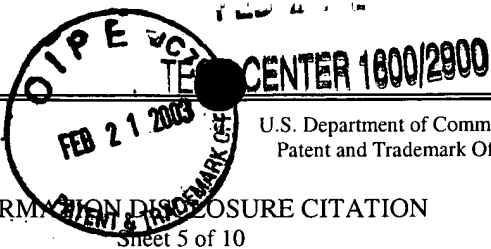
SMH	DC	Heyman et al., "9-Cis Retinoic Acid Is a High Affinity Ligand for the Retinoid X Receptor." <i>Cell</i> , 68:397-406, 1992						✓
SMH	DD	Huberman et al., "Induction of terminal differentiation in human promyelocytic leukemia cells by tumor promoting agents," <i>Proc. Natl. Acad. Sci. USA</i> , 76(3):1293-1297, 1971						✓
SMH	DE	Ishizawa et al., "Induction of Heme Oxygenase in Rat Liver," <i>J. Biol. Chem.</i> , 258(7):4220-4225, 1983						✓
SMH	DF	James et al., "The Role of Vitamin D Derivatives and Retinoids in the Differentiation of Human Leukaemia Cells," <i>Biochem. Pharmacol.</i> , 54:625-634, 1997						✓
SMH	DG	Jellinck et al., "Ah Receptor Binding Properties of Indole Carbinols and Induction of Hepatic Estradiol Hydroxylation," <i>Biochem. Pharmacol.</i> , 45(5):1129-1136, 1993						✓
SMH	DH	Jessell et al., "Diffusible Factors in Vertebrate Embryonic Induction," <i>Cell</i> 68: 257-270, 1992						✓
SMH	DI	Jones et al., "DVR-4 (Bone Morphogenetic Protein-4) as a posterior-ventralizing factor in <i>Xenopus</i> mesoderm induction," <i>Development</i> , 115:639-647, 1991						✓
SMH	DJ	King and Brown, "The Mechanism of Haem Catabolism," <i>J. Biochem.</i> , 174:103-109, 1978						✓
SMH	DK	Kleman et al., "Regulation of Human Dioxin Receptor Function by Indolocarbazoles, Receptor Ligands of Dietary Origin," <i>J. Biol. Chem.</i> , 269(7):5137-5144, 1994						✓
SMH	DL	La Fleur et al., " <i>Fundulus heteroclitus</i> Vitellogenin: . . .," <i>J. Mol. Evol.</i> , 41:505-521, 1995						✓
SMH	DM	Lagueux et al., "Ecdysteroids Are Bound to Vitellin Newly Laid Eggs of <i>Locusta</i> ," <i>Mol. Cell. Endocrin.</i> , 24:325-338, 1981						✓
SMH	DN	Landers and Bunce, "The Ah receptor and the mechanism of dioxin toxicity," <i>Biochem J.</i> , 276:273-287, 1991						✓
SMH	DO	Lange et al., "Lipovitellin-Phosvitin Crystals with Orthorhombic Features: . . .," <i>J. Ultrastruct. Res.</i> , 83:122-140, 1983						✓

EXAMINER

DATE CONSIDERED

12/3/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. **Copies of references not provided at the time of this submission.

U.S. Department of Commerce
Patent and Trademark OfficeAttorney Docket No. **10498-00028**Serial No. **10/008,356**

INFORMATION DISCLOSURE CITATION

Sheet 5 of 10

Applicant: **Kenneth H. Falchuk**Filing Date: **November 13, 2001**Group: **1646/651**

U.S. PATENT DOCUMENTS

Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	EA						

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation	
							YES	NO
	EB							

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

SMH	EC	Leid et al., "Multiplicity Generates Diversity in the Retinoic Acid Signaling Pathways," <i>TIBS</i> , 427-433, 1992	✓
SMH	ED	Leonard et al., "Amphibian Yolk Platelet Ultrastructure Visualized by Freeze-Etching," <i>J. Ultrastruct. Res.</i> , 40:1-24, 1972	✓
SMH	EE	Lewis et al., "Morphological and Biochemical Changes in the Hepatic Endoplasmic Reticulum . . .," <i>Mol. and Cell. Endocrin.</i> , 4:311-329, 1976	✓
	EF	Lightner et al., "On the Acid Dissociation Constants of Bilirubin and Biliverdin," <i>J. Biol. Chem.</i> , 271(5):2397-2405, 1996. <i>paper not present</i>	
SMH	EG	Lu et al., "Identification of 3'-Methoxy-4'-nitroflavone as a Pure Aryl Hydrocarbon (Ah) Receptor. . .," <i>Arch. Biochem. Biophys.</i> , 316(1):470-477, 1995	✓
SMH	EH	Ma et al., "Protein Tyrosine Phosphorylation as an Indicator of 2,3,7,8-Tetrachloro-p-Dioxin Exposure <i>In Vivo</i> and <i>In Vitro</i> ," <i>Biochem. Biophys. Res. Commun.</i> , 189(1):59-65, 1992	✓
SMH	EI	Ma and Babish, "Acute 2,3,7,8-Tetrachlorodibenzo-p-Dioxin Exposure Results in Enhanced Tyrosylphosphorylation . . .," <i>Biochem. and Biophys. Res. Commun.</i> , 197(3):1070-1077, 1993	✓
	EJ	Marko et al., "Nuclear magnetic resonance investigations of the biliverdin-apomyoglobin-complex," <i>Eur. J. Biochem.</i> , 193:573-580, 1990. <i>paper not present</i>	
SMH	EK	Marks et al., "Induction of Transformed Cells to Terminal Differentiation and the Modulation of Gene Expression," <i>Cancer Res.</i> , 47:659 - 666, 1987	✓
SMH	EL	Merchant and Safe, "In Vitro Inhibition of 2,3,7,8-Tetrachlorodibenzo-p-Dioxin-Induced Activity by α -naphthoflavone . . .," <i>Biochem. Pharmacol.</i> , 50(5):663-668, 1995	✓
SMH	EM	Mintz and Ilmensee, "Normal genetically mosaic mice produced from malignant teratocarcinoma cells," <i>Proc. Natl. Acad. Sci. USA</i> , 72(9):3585-3589, 1975	✓
SMH	EN	Montorzi et al., "Xenopus laevis Vitellogenin Is a Zinc Protein," <i>Biochem. Biophys. Res. Commun.</i> , 200(3):1407-1413, 1994	✓

EXAMINER

DATE CONSIDERED **12/3/03**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.**Copies of references not provided at the time of this submission.

INFORMATION DISCLOSURE CITATION

Applicant: **Kenneth H. Falchuk**Filing Date: **November 13, 2001**Group: **1646** 1651

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
FA						

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation
						YES NO
FB						

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

SM7	FC	Montorzi et al., "Vitellogenin and Lipovitellin: Zinc Proteins of <i>Xenopus laevis</i> Oocytes," <i>Biochemistry</i> , 34:10851-10858, 1995	✓
SMH	FD	Morikawa et al., "Influence of Organ Environment on the Growth, Selection, and Metastasis of Human Colon Carcinoma Cells in Nude Mice," <i>Cancer Res.</i> 48:6863-6871, 1988	✓
SMH	FE	Mueller et al., "Terminal Differentiation of Human Breast Cancer through PPAR γ ," <i>Mol. Cell</i> , 1:465-470, 1998	✓
SMH	FF	Nomizu et al., "Zinc, Iron and Copper Contents of <i>Xenopus laevis</i> oocyte and Embryos," <i>Mol. Reprod. Develop.</i> , 36:419-423, 1993	✓
SMH	FG	Ockner et al., "Hepatic uptake of albumin-bound substances: . . .," <i>Am. J. Physiol.</i> , 245(1):G13-G18, 1983	✓
SMH	FH	Ohlendorf et al., "Lipid and Polypeptide Components of the Crystalline Yolk System from <i>Xenopus laevis</i> ," <i>J. Biol. Chem.</i> , 252(22):7922-8001, 1977	✓
SMH	FI	Ohlendorf et al., "Three-dimensional structure of the lipovitellin-phosvitin complex from amphibian oocytes," 272:28-32, 1978	✓
SMH	FJ	Olson et al., "A Monoclonal Antibody to Human Antiogenin Suppresses Tumor Growth in Athymic Mice," <i>Cancer Research</i> , 54:4576-4579, 1994	✓
SMH	FK	Opresko and Wiley, "Receptor-Mediated Endocytosis in <i>Xenopus</i> Oocytes. I. Characterization of the Vitellogenin Receptor System," <i>J. Biol. Chem.</i> , 262(5):4109-4115, 1987	✓
SMH	FL	Opresko and Wiley, "Receptor-Mediated Endocytosis in <i>Xenopus</i> Oocytes. II. Evidence for Two Novel Mechanisms of Hormonal Regulation," <i>J. Biol. Chem.</i> , 262(5):4116-4123, 1987	✓
	FM	Peitsch and Boguski, "Is Apolipoprotein D a Mammalian Bilin-Binding Protein?" <i>New Biologist</i> , 2:197-206, 1990 <i>paper not present</i>	
SMH	FN	Perdew and Hollenback, "Analysis of Photoaffinity-Labeled Aryl Hydrocarbon Receptor Heterogeneity by Two-Dimensional Gel Electrophoresis," <i>Biochemistry</i> , 29(26):6210-6214, 1990	✓

EXAMINER

DATE CONSIDERED **12/3/03**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.**Copies of references not provided at the time of this submission.

INFORMATION DISCLOSURE CITATION

Sheet 7 of 10

Applicant: **Kenneth H. Falchuk**Filing Date: **November 13, 2001**Group: **1646/65**

U.S. PATENT DOCUMENTS

Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	GA						

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation	
							YES	NO
	GB							

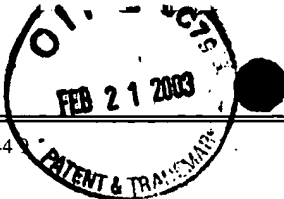
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

SMH	GC	Pfhal, "Retinoids: Concepts for Separation of Desirable and Undesirable Effects in the Treatment or Prevention of Cancer," <i>Hormones and Cancer</i> . Ed. Vederlds, Birkhauser, Boston. pp. 127-146, 1996	✓
SMH	GD	Phelan et al., "Activation of the Ah Receptor Signal Transduction Pathway by Bilirubin and Biliverdin," <i>Archives of Biochemistry and Biophysics</i> , 357:155-163, 1998	
SMH	GE	Pierce and Speers, "Tumors as Caricatures of the Process of Tissue Renewal: Prospects for Therapy by Directing Differentiation," <i>Cancer Res.</i> , 48:1996-2004, 1988	✓
SMH	GF	Placzek et al., "Orientation of commissural axons <i>in vitro</i> in response to a floor plate-derived chemoattractant," <i>Development</i> , 110:19-30, 1990	✓
SMH	GG	Placzek et al., "Induction of floor plate differentiation by contact-dependent, homeogenetic signals," <i>Development</i> , 117:205-218, 1993	✓
SMH	GH	Poland et al., "Stereospecific, High Affinity Binding of 2,3,7,8-Tetrachlorodibenzo- <i>p</i> -dioxin by Hepatic Cytosol. . .," <i>J. Biol. Chem.</i> , 251(16):4936-4946, 1976	✓
SMH	GI	Porquie et al., "Control of dorsoventral patterning of somitic derivatives by notochord and floor plate," <i>Proc. Natl. Acad. Sci. USA</i> , 90:5242-5246 (1993)	✓
SMH	GJ	Preflow et al., "Transplantation of Human Prostatic Carcinoma into Nude Mice in Matrigel," <i>Cancer Res.</i> , 51:3814-3817, 1991	✓
SMH	GK	Redshaw and Follett, "The Crystalline Yolk-Platelet Proteins and their Soluble Plasma Precursor in an Amphibian, <i>Xenopus laevis</i> ," <i>Biochem. J.</i> , 124:759-766, 1971	✓
SMH	GL	Sarraf et al., "Differentiation and reversal of malignant changes in colon cancer through PPAR γ ," <i>Nature Medicine</i> , 4:1046-1052, 1998	✓
SMH	GM	Saunders and Gasseling, "Ectodermal-Mesodermal Interactions in the Origin of Limb Symmetry," <i>Epithelial-Mesenchymal Interaction</i> , Eds. Fleischmajer and Billingham, Williams and Wilkins, Baltimore, MD., Chapter 5, pp. 78-97, 1968	✓

EXAMINER

DATE CONSIDERED **12/3/03**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. **Copies of references not provided at the time of this submission.



USPTO Form 144		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket No. 10498-00028		Serial No. 10/008,356	
INFORMATION DISCLOSURE CITATION Sheet 8 of 10				Applicant: Kenneth H. Falchuk			
				Filing Date: November 13, 2001		Group: 1646/167	
U.S. PATENT DOCUMENTS							
Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	HA						
FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation YES NO
	HB						
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)							
SMH	HC	Saxen, "Neural induction," <i>Int. J. Dev. Biol.</i> , 33:21-48, 1989 ✓					
	HD	Schmid and McDonagh, "The Enzymatic Formation of Bilirubin," <i>Ann. N.Y. Acad. Sci.</i> , 244:533-552, (Review) 1975 <i>paper not present</i>					
SMH	HE	Schubert et al., "Induced Differentiation of a Neuroblastoma," <i>Dev. Biol.</i> , 25:514-546, 1971 ✓					
	HF	Schwartz et al., "Sodium butyrate induces retinoblastoma protein dephosphorylation, p16 expression and growth arrest of colon cancer cells," <i>Mol. & Cell Biochem.</i> , 188:21-30, 1993 <i>paper not present</i>					
SMH	HG	Seifried and Gaylor, "Investigation of Microsomal Oxygenases of Biosynthetic Processes," <i>J. Biol. Chem.</i> , 251(23):7468-7473, 1976 ✓					
SMH	HH	Sergeev et al., "Role of Estrogens in Phenobarbitone-Sodium Salt Induction of Microsomal Enzymes of the Liver," <i>Biulleten Eksperimentalnoi Biologii i Meditsiny (Bulletin of Experimental Biology and Medicine)</i> , 80(9):43-45, 1975 ✓					
SMH	HI	Slaughter and Triplett, "Amphibian embryo protease inhibitor . . .," <i>Cell. Differ.</i> , 4:429-440, 1976 ✓					
SMH	HJ	Smith and Harland, <i>Cell</i> , "Injected Xwnt-8 RNA Acts Early in <i>Xenopus</i> Embryos to Promote Formation of a Vegetal Dorsalizing Center," 67:753-765, 1991 ✓					
SMH	HK	Sokol et al., "A Mouse Macrophage Factor Induces Head Structures and Organizes a Body Axis in <i>Xenopus</i> ," <i>Science</i> , 249:561-564, 1990 ✓					
SMH	HL	Spemann H & Mangold H, "Induction of Embryonic Primordia by Implantation of Organizers from a Different Species," in B.R Willier and J.M. Oppenheimer (eds.), <i>Foundations of Experimental Embryology</i> . Hafner, New York, pp. 144-194, 1924 ✓					
SMH	HM	Stephenson et al., "Metastatic Model for Human Prostate Cancer Using Orthotopic Implantation in Nude Mice," <i>J. Cancer Inst.</i> , 84(12):951-957, 1992 ✓					
	HN						
EXAMINER <i>S. Amely</i>					DATE CONSIDERED <i>12/3/03</i>		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.**Copies of references not provided at the time of this submission.							

TECH CENTER 1600/2900

RECEIVED
FEB 26 2003

INFORMATION DISCLOSURE CITATION

FEB 21 2003

Page 9 of 10

Applicant: **Kenneth H. Falchuk**Filing Date: **November 13, 2001**Group: **1646/651**

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
IA						

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation
						YES NO
IB						

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

IC	Stifani et al., "Vitellogenesis in <i>Xenopus laevis</i> and Chicken: . . .," <i>J. Biol. Chem.</i> , 265(2):882-888, 1990
ID	Stone et al., "Collagen-Based Prostheses for Meniscal Regeneration," <i>Clin. Orthop. Relat. Res.</i> , 252:129-135, 1990
IE	Strickland and Mahdavi, "The Induction of Differentiation in Teratocarcinoma stem cells by retinoic acid," <i>Cell</i> , 15:393-403, 1978
IF	Takigawa et al., "Chondrocytes Dedifferentiated by Serial Monolayer Culture Form Cartilage Nodules in Nude Mice," <i>Bone Miner.</i> , 2:449 (1987)
IG	Tanabe and Kotani, "Relationship between the amount of the 'germinal plasm' and the number of primordial germ cells in <i>Xenopus laevis</i> ," <i>J. Embryol. Exp. Morphol.</i> , 31(1):89-98, 1974
IH	Tanaka et al., "Induction of Erythroid Differentiation in Murine Virus Infected Erythroleukemia Cells by Highly Polar Compounds," <i>Proc. Natl. Acad. Sci. USA</i> , 72:1002-1006, 1975
II	Tenhunen et al., "Microsomal Heme Oxygenase . . .," <i>J. Biol. Chem.</i> , 244(23):6388-6394, 1969
IJ	Tickle et al., "Positional signaling and specification of digits in chick limb morphogenesis," <i>Nature</i> 254:199-202, 1981
IK	Timmings et al., "The Location of Bound Lipid in the Lipovitellin Complex," <i>Science</i> , 257:652-655, 1992
IL	Tontonoz et al., "Terminal Differentiation of Human Liposarcoma Cells Induced by Ligands for Peroxisome Proliferator-Activated Receptor and . . .," <i>Proc. Natl. Acad. Sci., USA</i> , 94:237-241, 1997
IM	Vacanti et al., "Synthetic Polymers Seeded with Chondrocytes Provide a Template for New Cartilage Formation," <i>Plast. and Reconstr. Surgery</i> , 88:753-759 (1991)
IN	van Straaten et al., "Effect of the notochord on the differentiation of a floor plate area in the neural tube of the chick embryo," <i>Anat. Embryol.</i> , 177:317-324 (1988)
IO	Venugopal and Kumar, "Role of juvenile hormone in the synthesis and sequestration of vitellogenins in the red cotton stainer, <i>Dysdercus koenigii</i> ," <i>Comp. Biochem. Physiol. Part C</i> , 127:153-163, 2000

EXAMINER

DATE CONSIDERED **12/3/03**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.**Copies of references not provided at the time of this submission.

INFORMATION DISCLOSURE CITATION

Sheet **1** of 10Applicant: **Kenneth H. Falchuk**Filing Date: **November 13, 2001**Group: **1646/69**

U.S. PATENT DOCUMENTS

Examiner Initial	Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
JA						

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Country	Class	Subclass	Translation	
						YES	NO
JB							

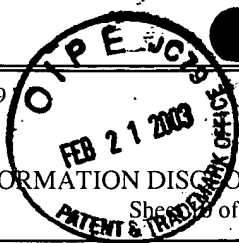
OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

SWA	JC	von Schroeder et al., "The use of polylactic acid matrix and periosteal grafts for the reconstruction of rabbit knee articular defects," <i>J. Biomed. Mater. Res.</i> , 25:329-339 (1991)						✓
SWA	JD	Wakitani et al., "Repair of Rabbit Articular Surfaces with Allograft Chondrocytes Embedded in Collagen Gel," <i>J. Bone and Joint Surgery</i> , 71B:74-80 (1989)						✓
SWA	JE	Wall, "The intracellular fate of vitellogenin in <i>Xenopus</i> oocytes is determined by its extracellular concentration during endocytoses," <i>J. Biol. Chem.</i> , 262:14779-14789, 1987						✓
SWA	JF	Wallace, "Studies on Amphibian Yolk. IX. <i>Xenopus vitellogenin</i> ," <i>Biochim. Biophys. Acta.</i> , 215:176-183, 1970						✓
SWA	JG	Whitlock et al., "Cytochromes P450 5: induction of cytochrome P4501A1: . . ." <i>FASEB J.</i> , 10(8):809-818. Review, 1996						✓
SWA	JH	Wiley et al., "The Structure of Vitellogenin. Multiple Vitellogenins in <i>Xenopus laevis</i> Give Rise to Multiple Forms of the Yolk Proteins," <i>J. Biol. Chem.</i> , 256(16):8626-8634, 1981						✓
SWA	JI	Wolpert, "Positional Information and the Spatial Pattern of Cellular Differentiation," <i>Theor. Biol.</i> , 25:1-47, 1969						✓
SWA	JJ	Wooley et al., "Comparison of a Microneutralization Test in Cell Culture and Virus Neutralization Test in Embryonated Eggs for Determining Infectious Bronchitis Virus Antibodies," <i>J. Clin. Microbiol.</i> , 3(2):149-156, 1976						✓
SWA	JK	Yamada et al., "Control of Cell Pattern in the Developing Nervous System: . . .," <i>Cell</i> , 64:635-647, 1991						✓
SWA	JL	Zacharewski et al., "Induction of Cytochrome P450-Dependent Monooxygenase Activities in Rat Hepatoma H-4-IIIE Cells in Culture by 2,3,7,8-Tetrachlorodibenzo- <i>p</i> -Dioxin and Related Compounds: Mechanistic Studies Using Radiolabeled Congeners," <i>Arch. Biochem. Biophys.</i> , 272(2):344-355, 1989						✓
	JM							

EXAMINER

DATE CONSIDERED **12/3/03**

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. **Copies of references not provided at the time of this submission.



TECH CENTER
10012300

RECEIVED
FEB 20 2003

JUN 19 2003

INFORMATION DISCLOSURE CITATION

Sheet 1 of 1

Applicant: Kenneth H. Falchuk

Filing Date: November 13, 2001

Group: 1617/651

U.S. PATENT DOCUMENTS

Examiner Initial		Patent No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	AA						

FOREIGN PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Country	Class	Subclass	Translation	
							YES	NO
SMH	AB	JP 3047166	02/28/91	Japan			X†	
SMH	AC	JP 6183969	07/05/94	Japan			X†	
SMH	AD	WO 01/82932	11/08/01	PCT				
SMH	AE	WO 01/96345	12/20/01	PCT				

OTHER DOCUMENTS (including Author, Title, Date, Pertinent Pages, etc.)

SMH	AF	Janes et al., "Bilirubin Inhibits Proliferation in Cultured Normal Human Osteoblast-Like Cells: . . .," abstract from <i>Gastroenterology</i> , 102(4) part 2, page A827, #XP00801667 (1992) ✓
SMH	AG	Peters and Wiley, "Evidence that Murine Preimplantation Embryos Express Aryl Hydrocarbon Receptor," <i>Toxicology and Applied Pharmacology</i> , 134:214-221 (1995) ✓
SMH	AH	Phelan et al., "Activation of the Ah Receptor Signal Transduction Pathway by Bilirubin and Biliverdin," <i>Arch. Biochem. and Biophys.</i> , 357(1):155-163 (1998) ✓
SMH	AI	Thaler, "Bilirubin Toxicity in Hepatoma Cells," <i>Nature: New Biology</i> , 230(15):218-219 (1971) ✓
SMH	AJ	Vassilopoulou-Sellin et al., "Bilirubin as an Inhibitor of Cartilage Metabolism: Effect on Avian Chondrocyte Proliferation in Cell Culture," <i>J. Bone and Mineral Res.</i> , 5(7):769-774 (1990) ✓
SMH	AK	Zaher et al., "The Involvement of Aryl Hydrocarbon Receptor in the Activation of Transforming Growth Factor- β and Apoptosis," <i>Mol. Pharm.</i> , 54:313-321 (1998) ✓
SMH	AL	Zhou et al., "Photosensitization of bilirubin on proliferation and DNA synthesis in ascitic hepatoma cells," <i>Acta Pharm. Sinica</i> , 17(2):164-166 (1996) ✓
SMH	AM	Zucker et al., "Inhibition of Breast Cancer Cell Proliferation by Unconjugated Bilirubin . . .," abstract from <i>Hepatology</i> , 30(4) part 2, p. 498A, XP008016620 (1999) ✓
SMH	AN	English abstract of Chinese Patent No. CN 1185956 (XP-002240175) ✓
SMH	AO	English abstract of Japanese Patent No. JP 53081611 (XP-002240174) ✓
SMH	AP	English abstract of Japanese Patent No. JP 3047166 (XP-002240176) ✓
SMH	AQ	English abstract of Japanese Patent No. JP 6183969 (XP-002240177) ✓

EXAMINER

DATE CONSIDERED

12/3/03

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant. **Copies of references not provided at the time of this submission.